

FIG. 1

Title: INTERACTIVE AND AUTOMATED TISSUE IMAGE ANALYSIS WITH GLOBAL TRAINING DATABASE AND VARIABLE-ABSTRACTION PROCESSING ...  
Inventor: David H. KIL  
Application No.: To be Assigned  
Docket No.: ARC012010000

Sheet 2 of 21

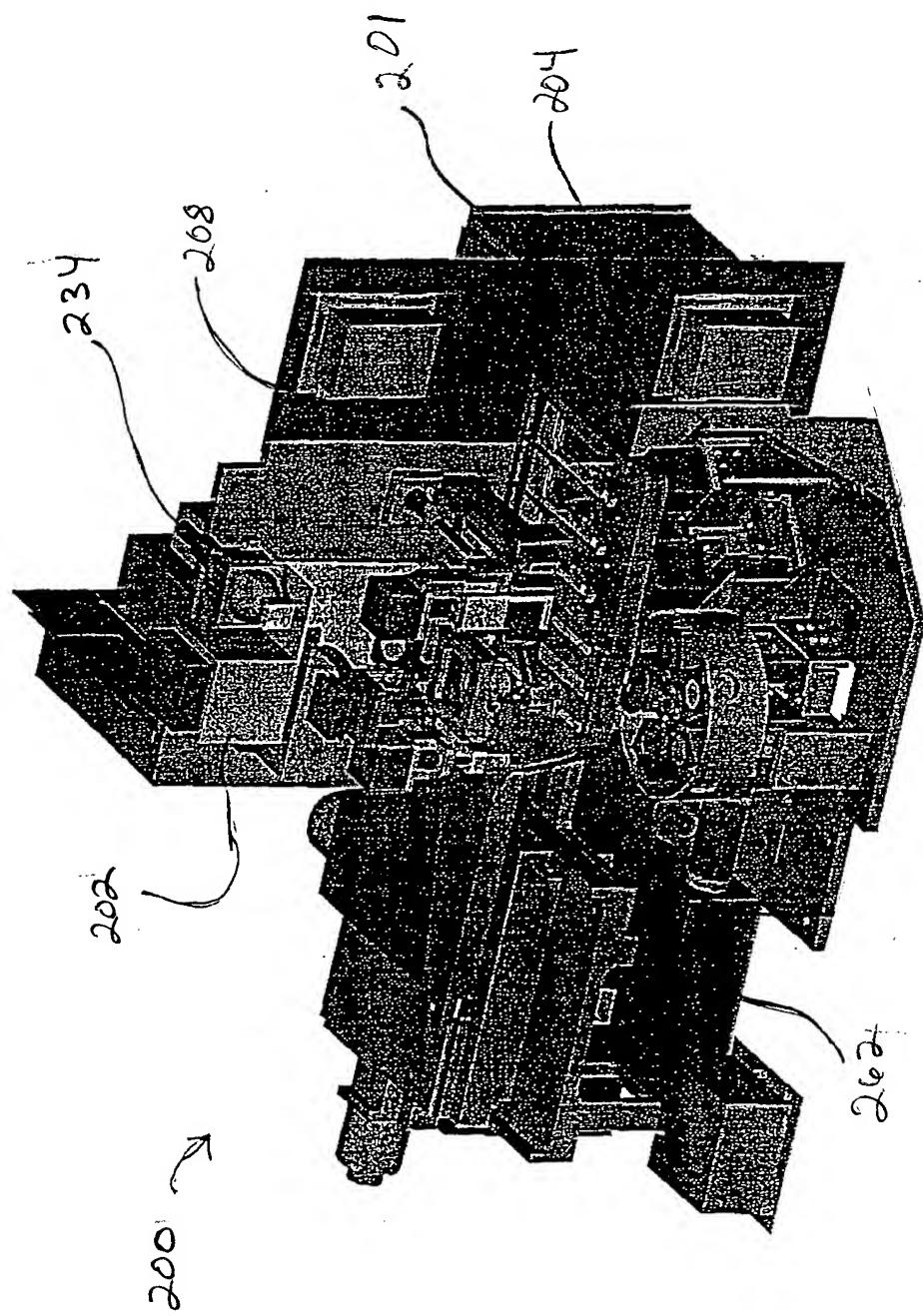


FIG. 2

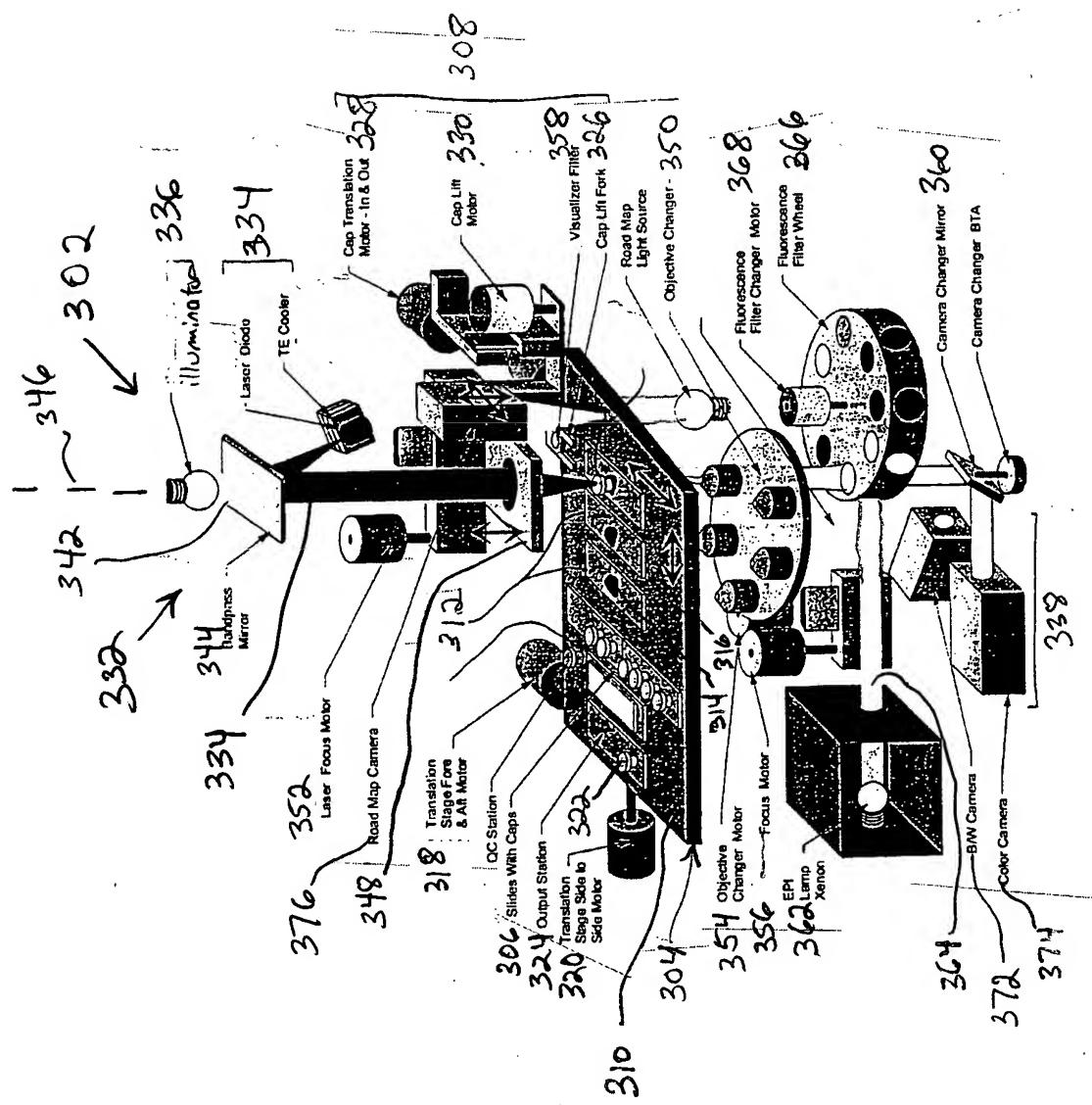


Fig. 3

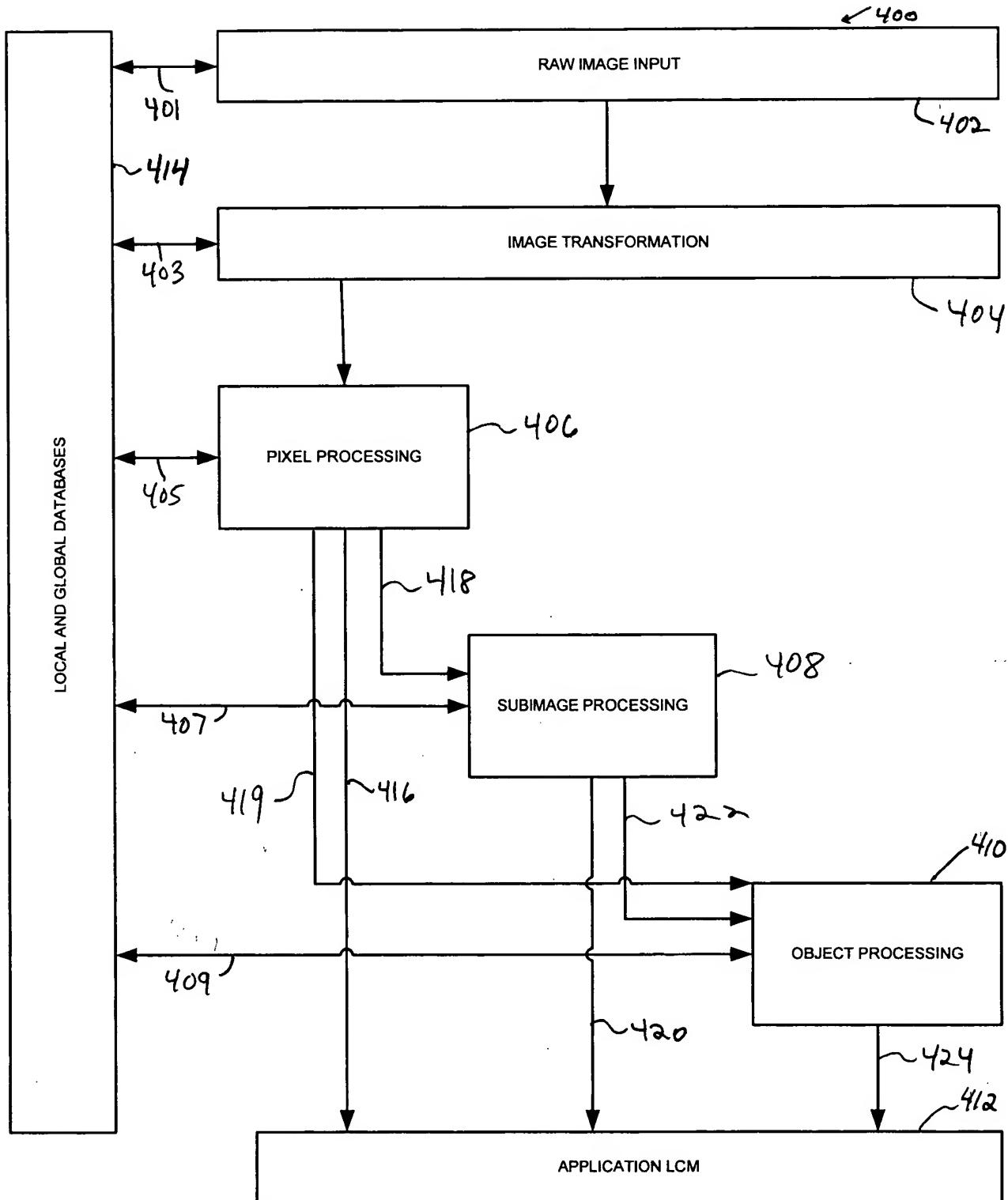


FIG. 4

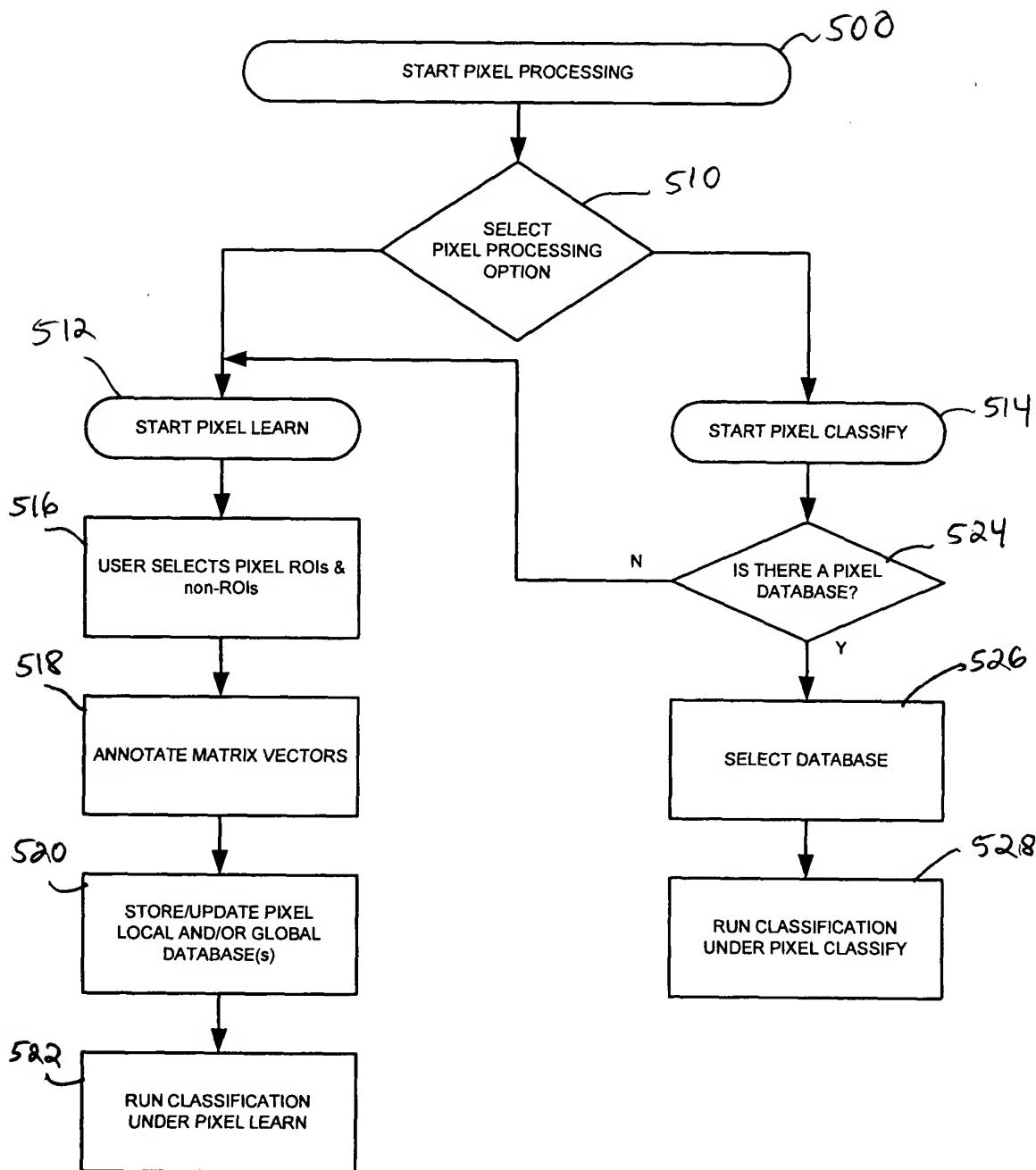


FIG. 5

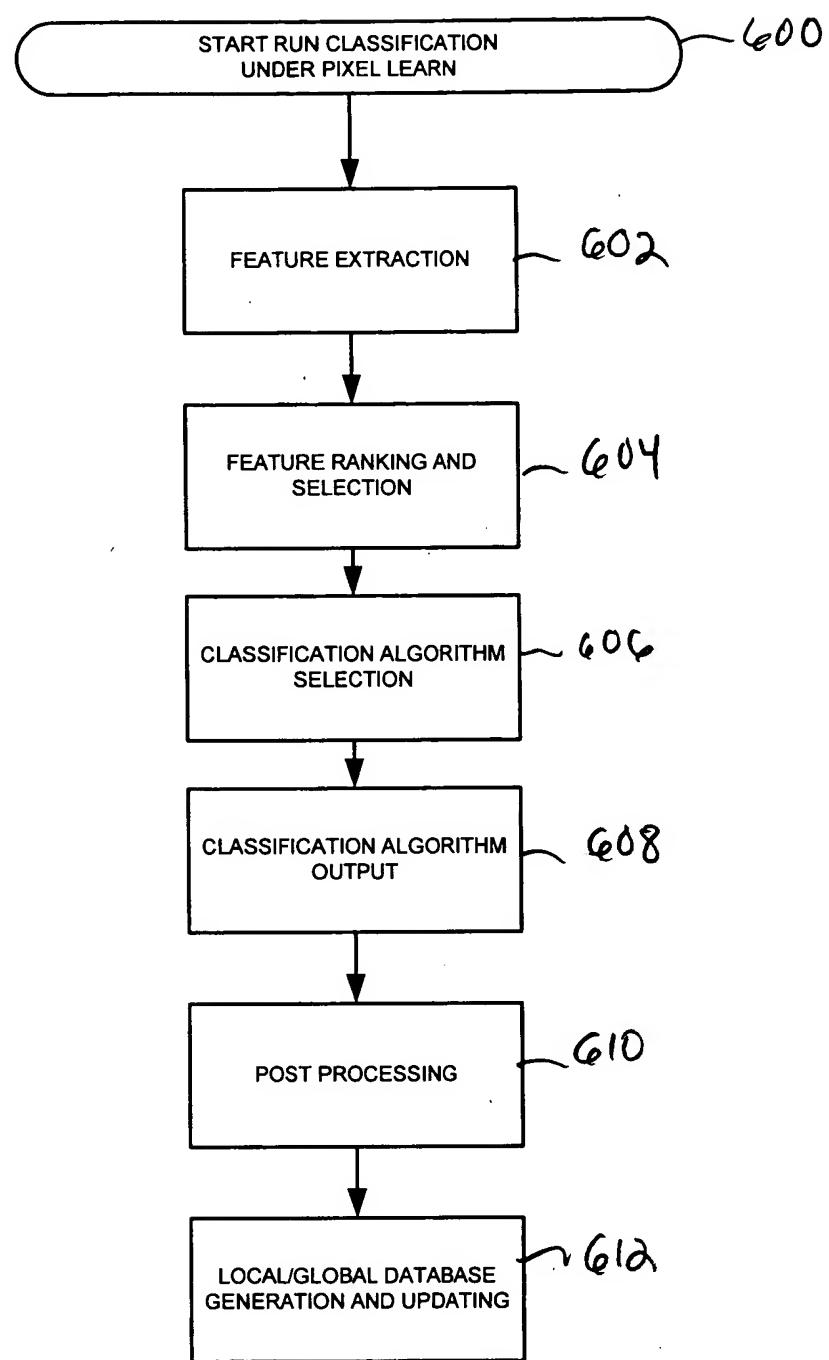


FIG. 6

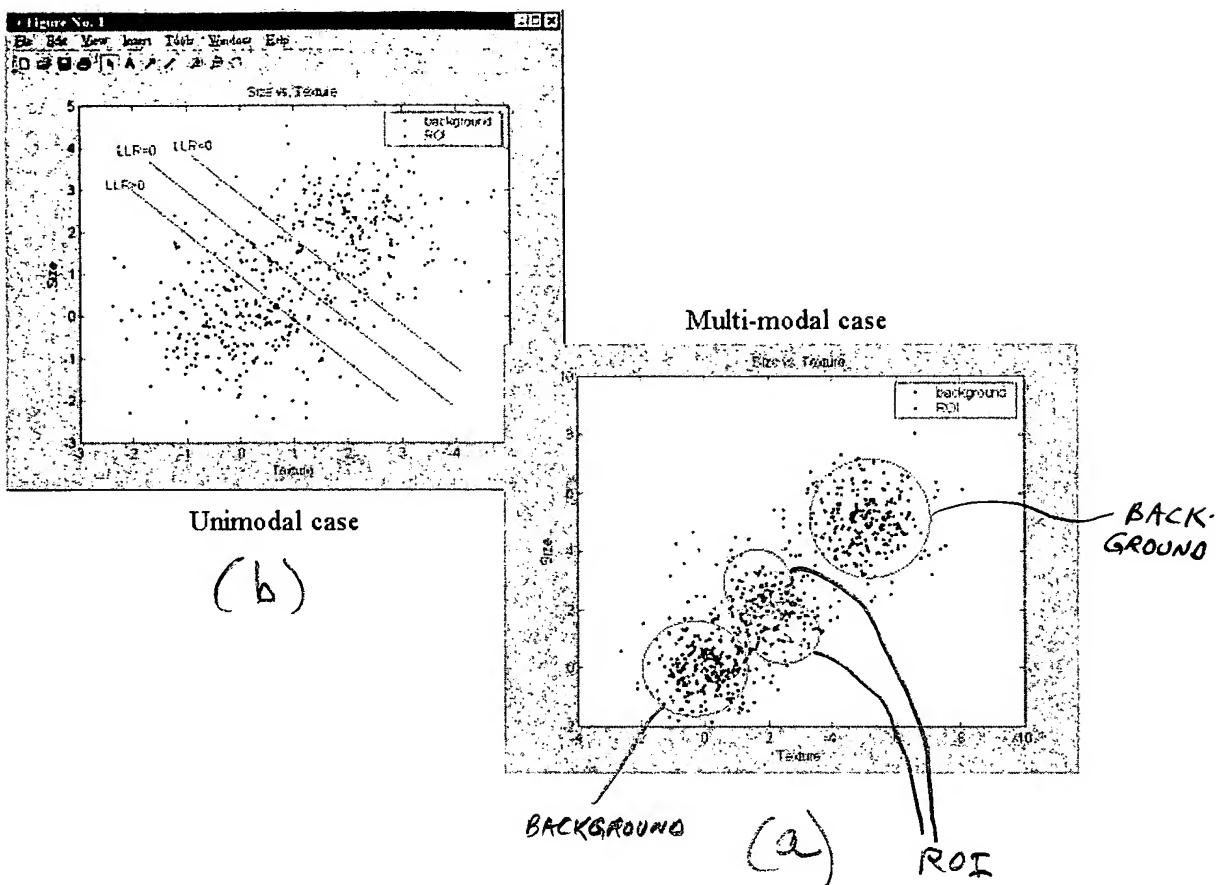
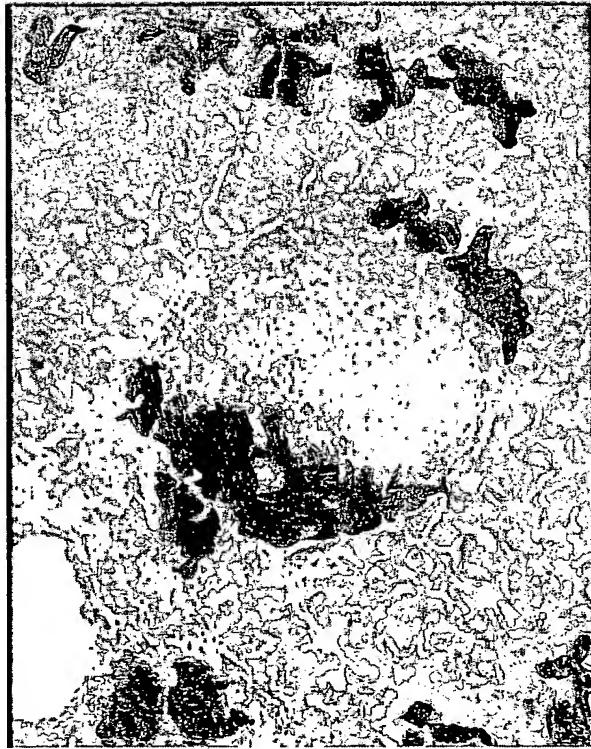


FIG 7

Results of Pixel Processing



After region labeling of the  
binary image map (color denotes  
a region identification number)



FIG. 8A

FIG. 8B

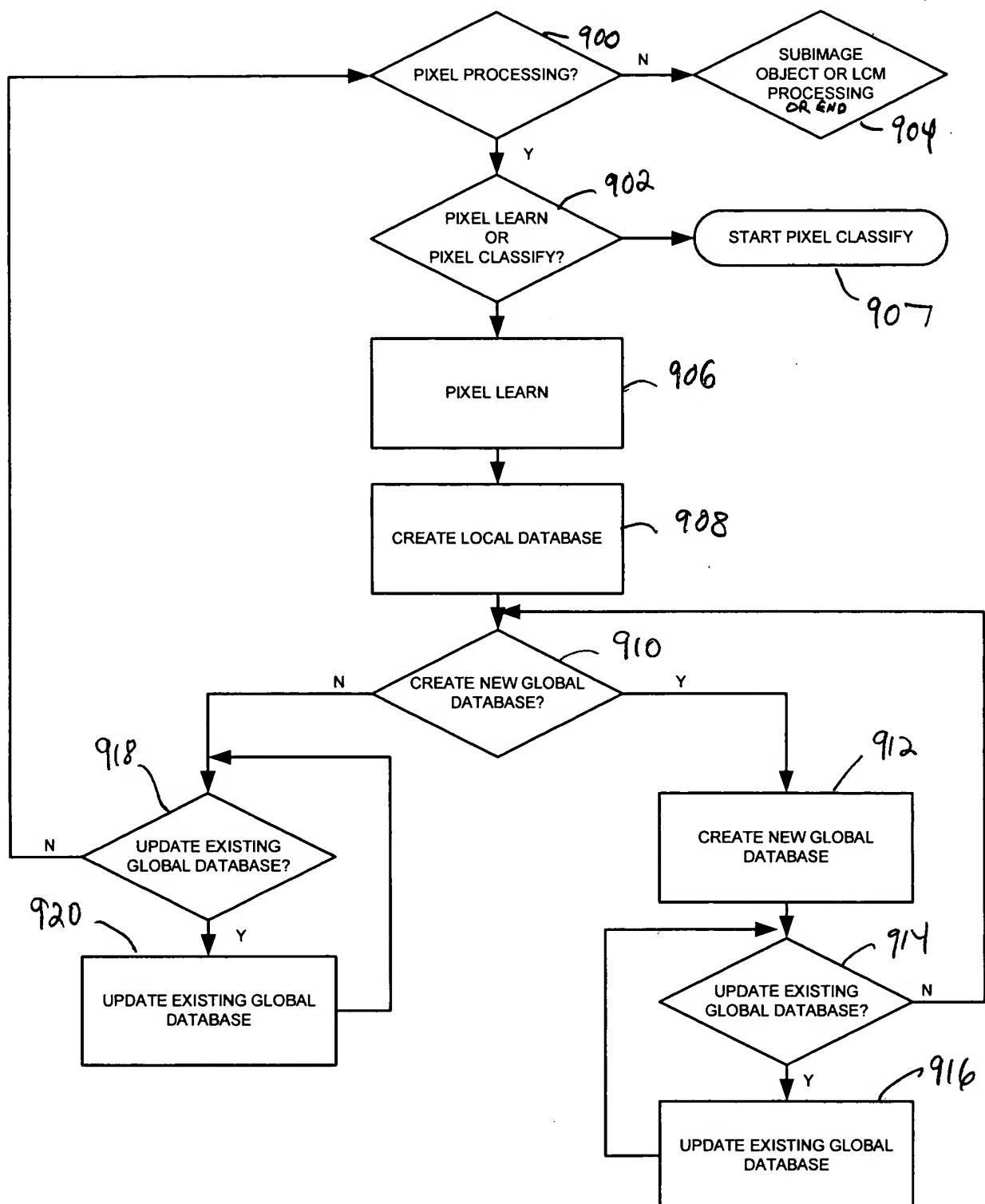


FIG. 9

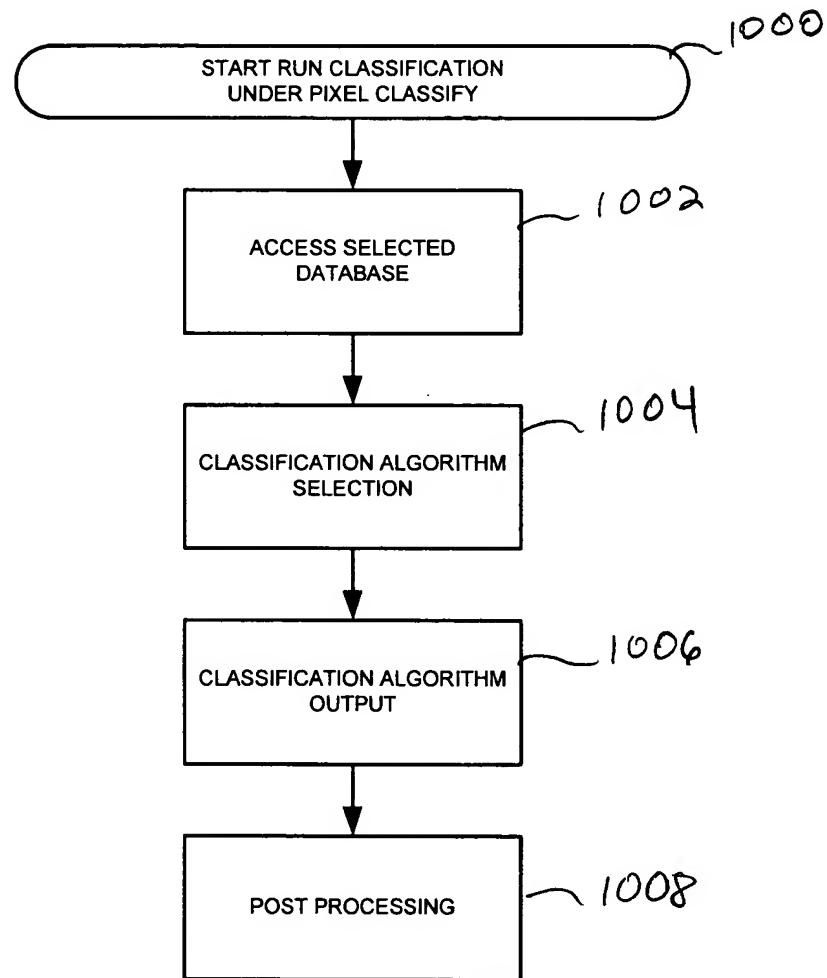


FIG. 10

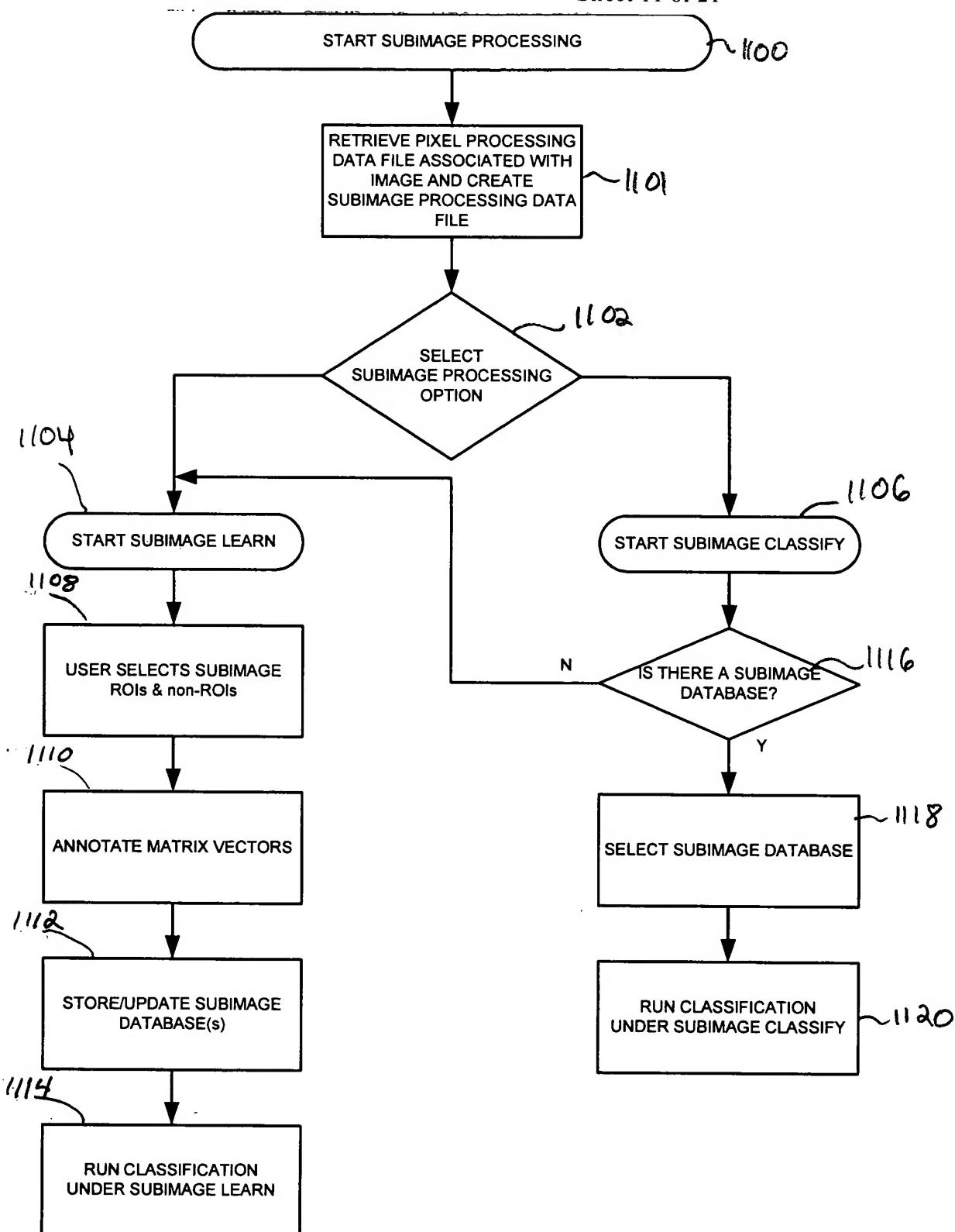


FIG. 11

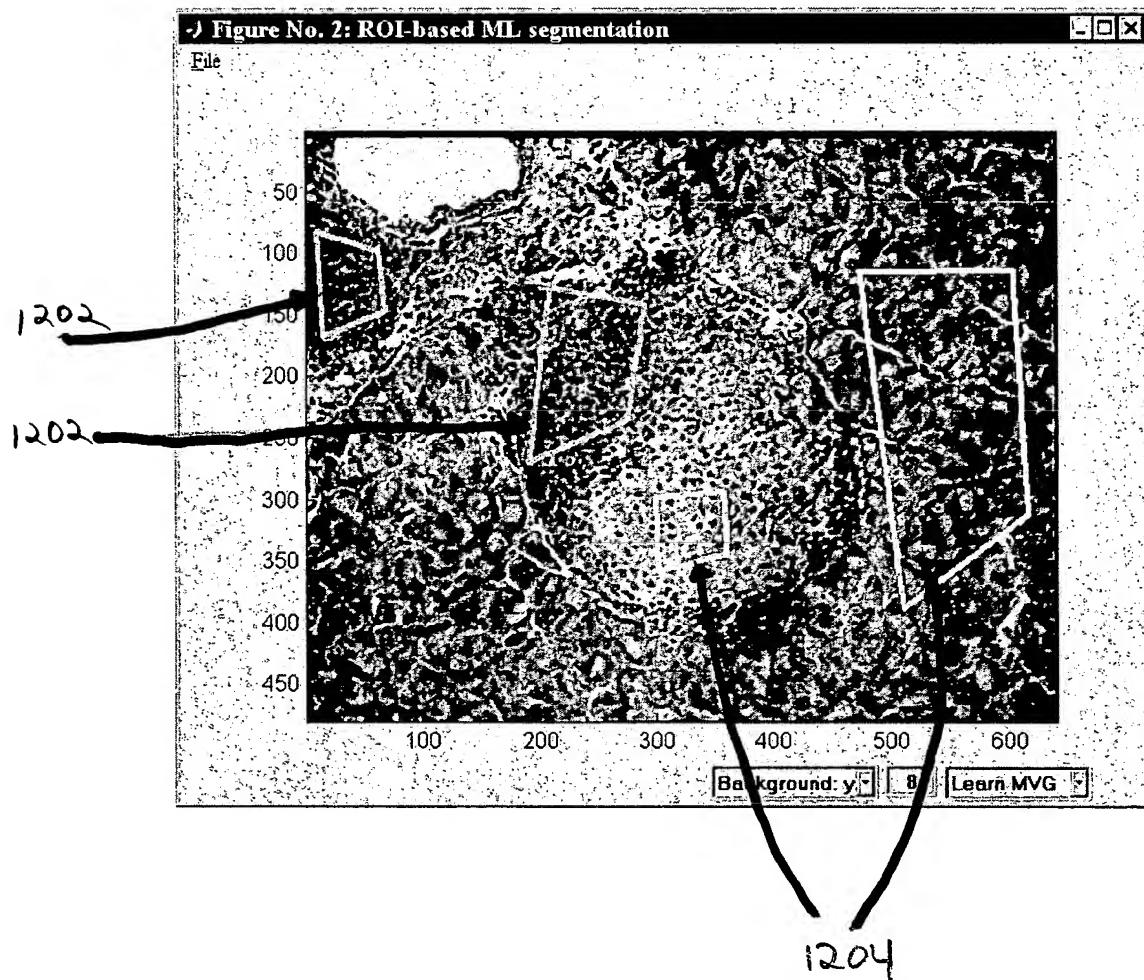


FIG. 12

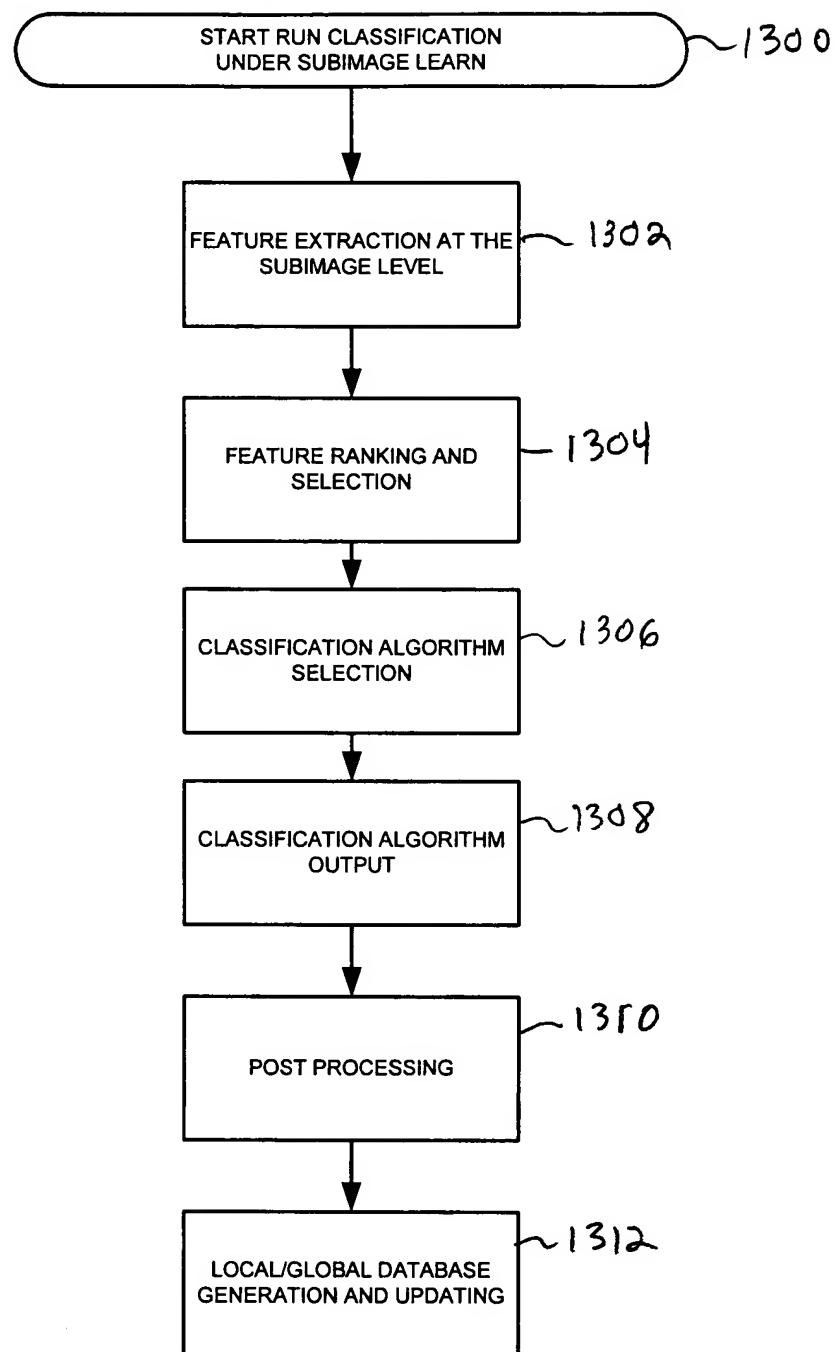
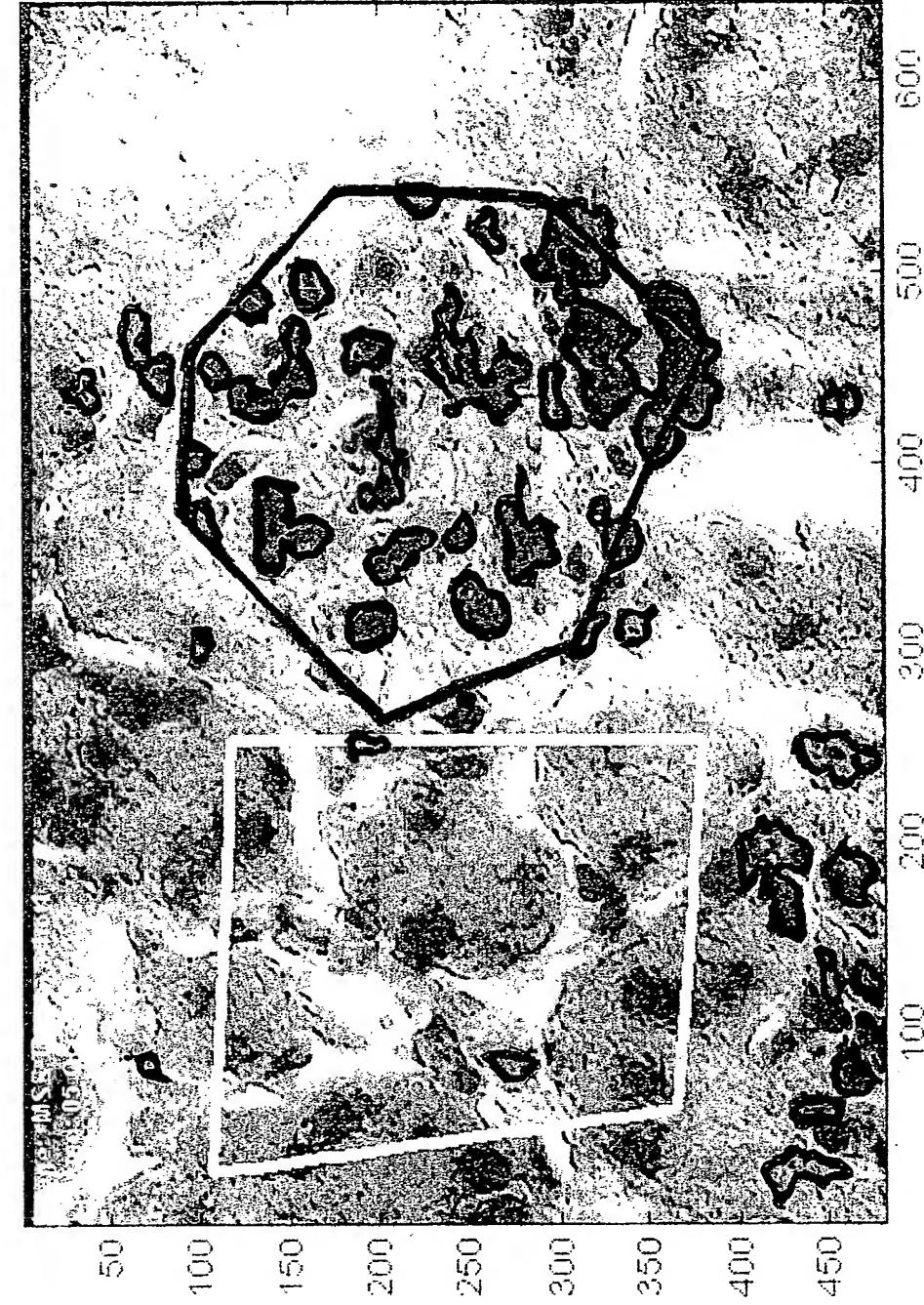


FIG. 13

# Subimage Processing

Figure No. 3: ROI based ML segmentation

Edit View Insert Tools Window Help



# Pixel Processing

Figure No. 2: Color-based MT segmentation

File Edit View Insert Tools Window Help



FIG 14B

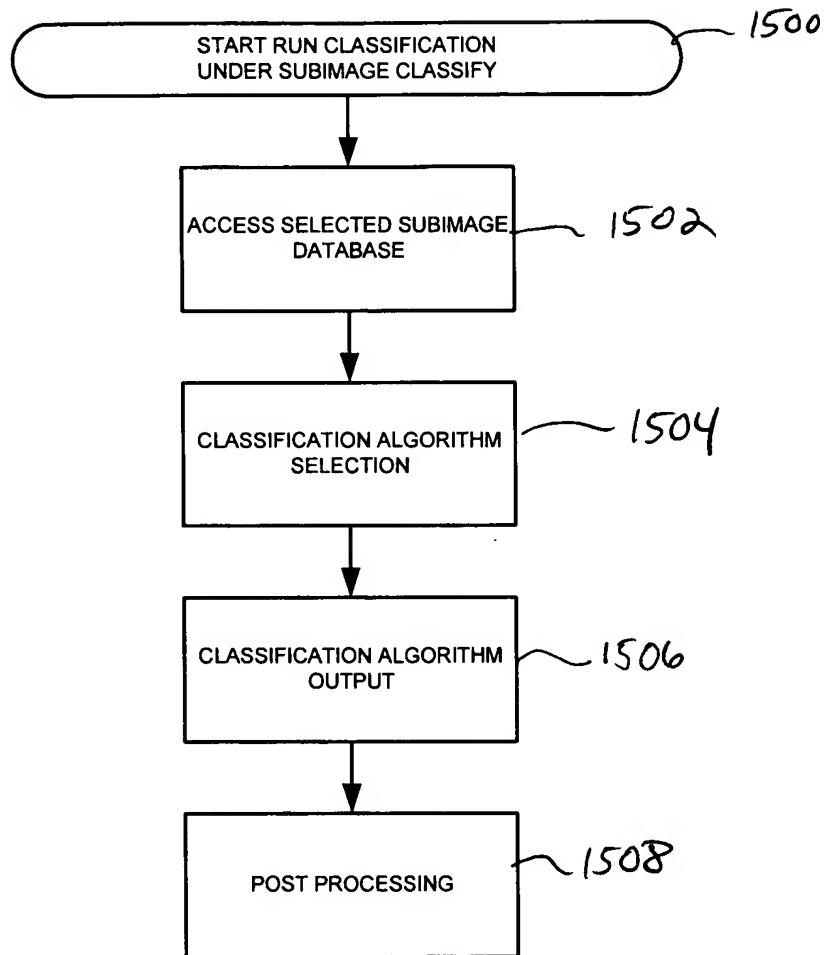


FIG. 15

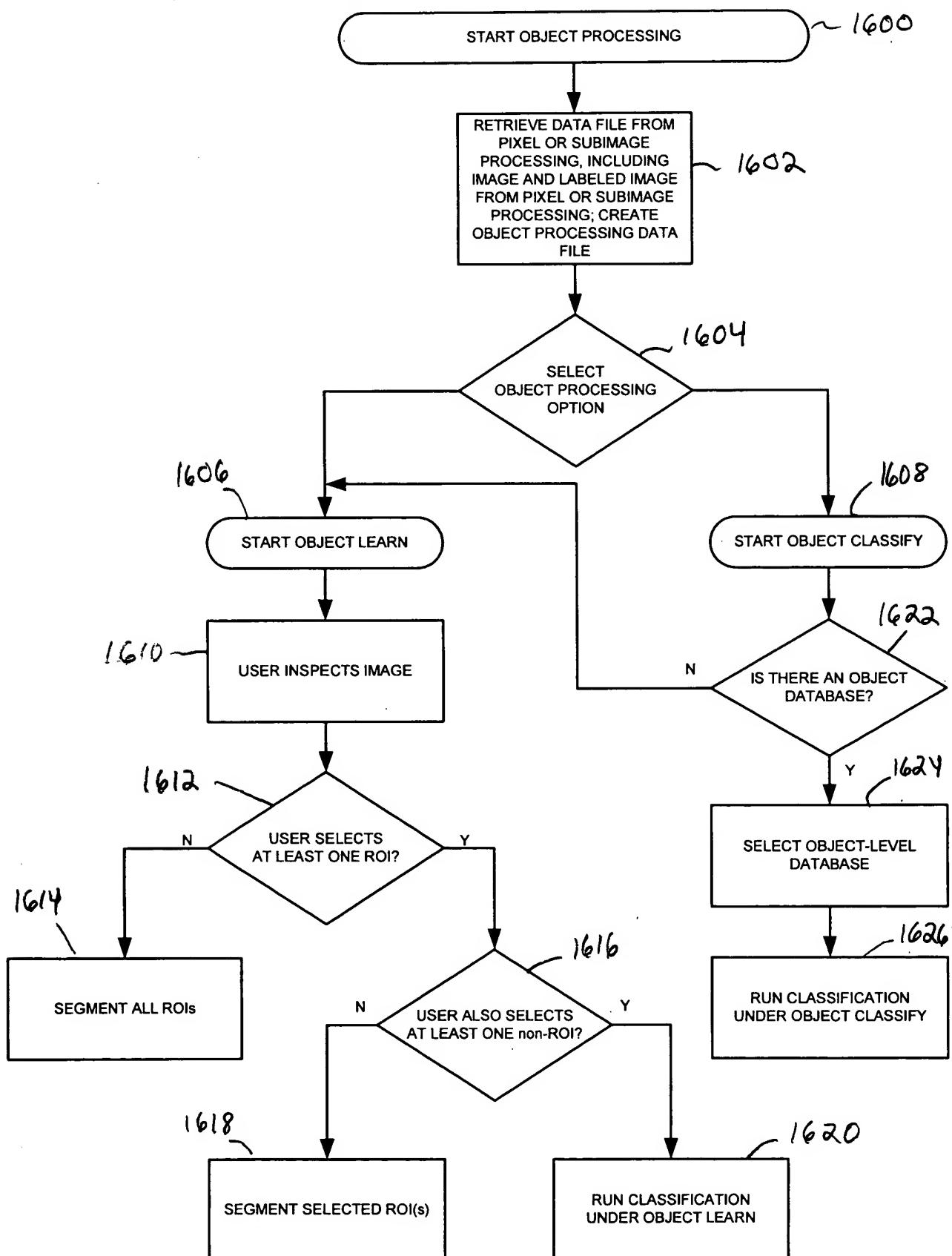


FIG. 16

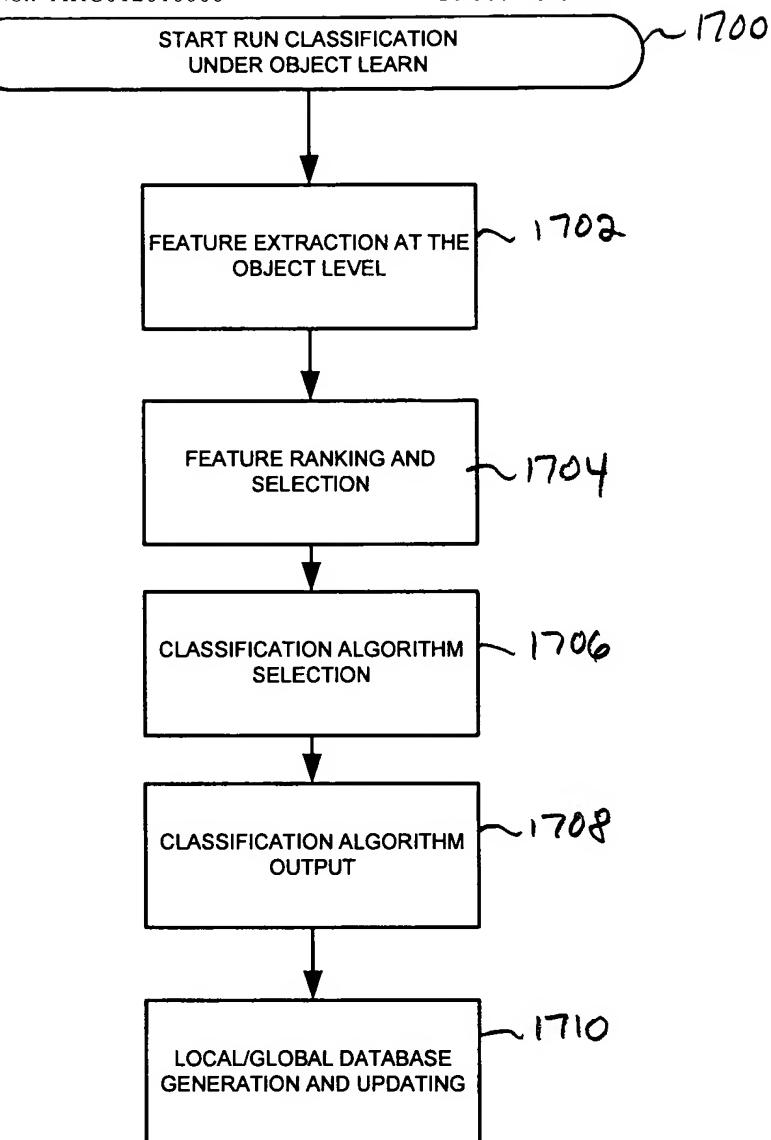


FIG. 17

# Object Processing

Figure No. 4



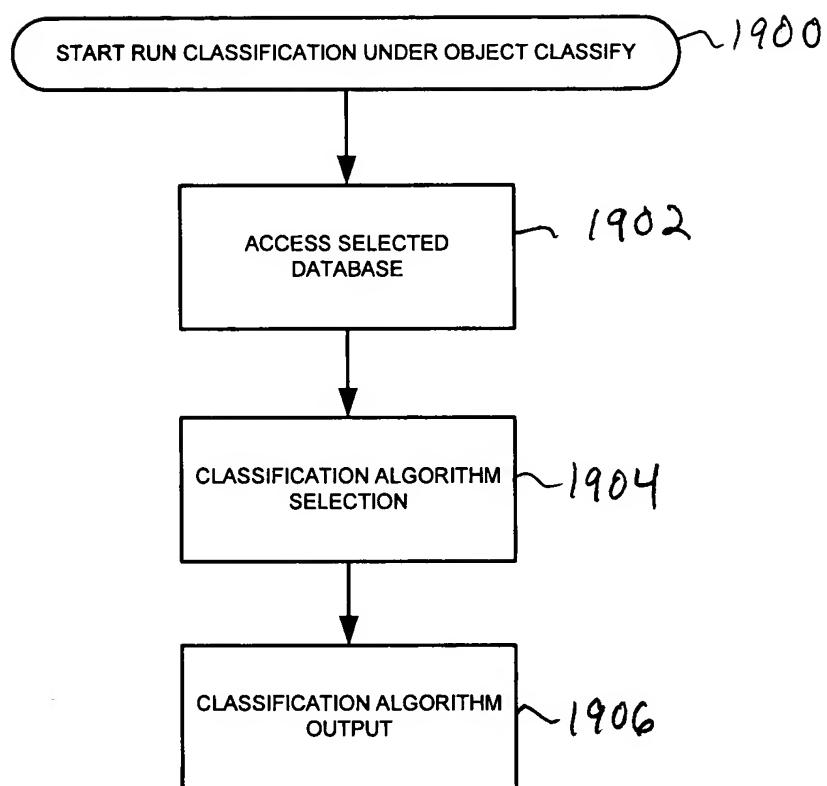


FIG. 19

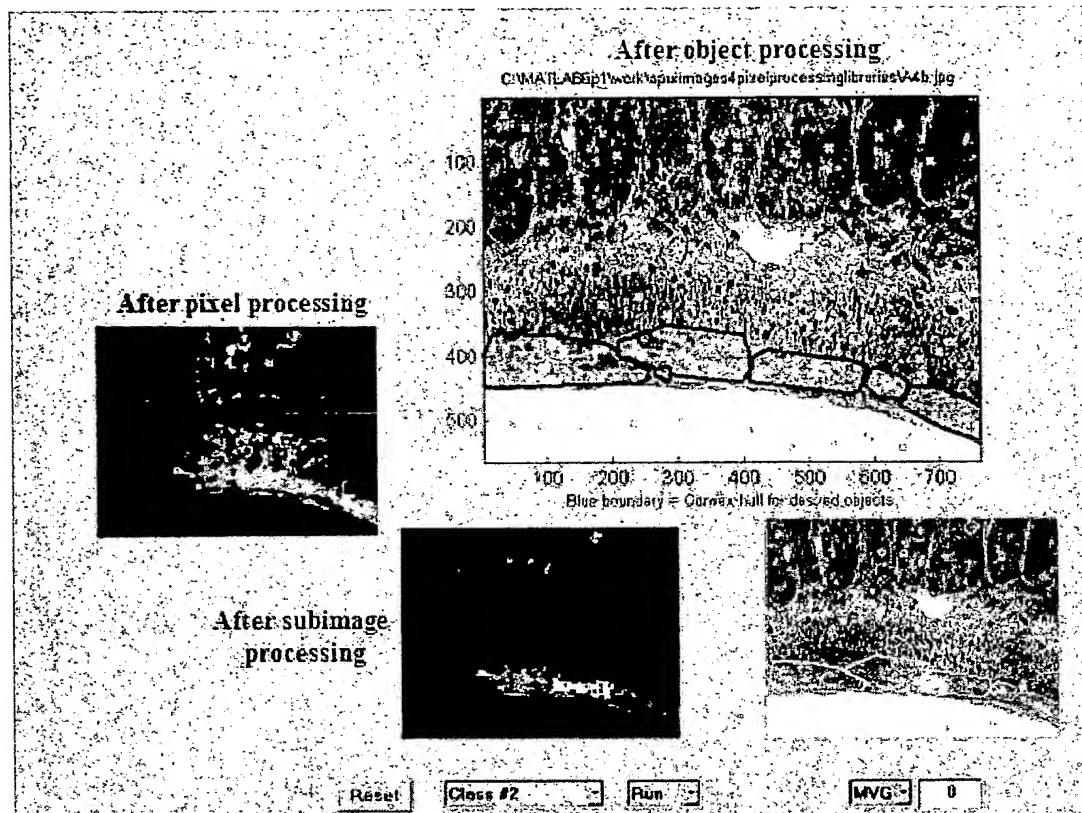


FIG. 20